

~~CONFIDENTIAL~~

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MEMORANDUM TO THE FILES

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SUBJECT : Contract XG-866, Gasoline Power Unit, Mechanical GM-1

1. A trip was made recently to the Jacobsen Mfg. Company for the purpose of checking the progress being made on the subject contract. The following personnel held a discussion on this project.

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2. A new model of this unit has been built, using the precision cut gears that were manufactured for it. In spite of the fact that these gears were ordered from a company that specializes in precision gears, interference was experienced with the gear teeth when the unit was tested. The Jacobsen Engineers thought that this could be corrected in their own shop, without waiting for another set of gears to be made. Although the unit was torn down at the time, said, that aside from this interference, it seemed to work out very satisfactorily otherwise. The clutch seemed to be an exceptionally good feature, as it enabled an operator to start the UGP-12 engine without a load, and after it came up to speed, the GN-58 Generator could be engaged very smoothly without putting undue strain on the engine. Apparently when the right set of precision cut gears are installed, this unit will work out pretty well.

3. The Jacobsen Company lost one of their key men on this project, and have been somewhat handicapped by lack of personnel, but in spite of this situation, the project is progressing in a satisfactory manner.

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